

METHOD AND APPARATUS FOR GENERATING AN EMERGENT MODEL ON
A COMPUTER NETWORK

ABSTRACT OF THE DISCLOSURE

5 Generation of an emergent model on a computer network comprises generating
data objects and/or function objects, publishing references to the data objects and/or the
function objects and subscribing to the data objects and/or the functions by creating
relationships between the data objects and/or the function objects through referencing
data objects and/or function objects within the function objects, thereby linking the data
10 objects and/or the function objects, wherein networks of linked data objects and/or
function objects emerge. The emergent linked data objects and/or function objects are
make available for further linking with other data objects and/or function objects and
messages are sent to referencing data objects and/or function objects when referenced
data objects and/or referenced function objects change. The functions are solved when
15 the messages are received. The data objects and/or the function objects are stored in a
distributed manner across multiple computing devices on a computer network. The
emergent network of linked data objects and/or function objects are independently
published to, and subscribed to, in a manner free of a globally predefined network of
data objects and/or function objects, thereby generating the emergent model.

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